IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re application of: Jayaraman, et al

Application No.: 09/963,874

Filed: September 25, 2001

Title: RECEIVE BAND REJECTION FOR A DIGITAL RF AMPLIFIER

Attorney Docket No.: TRIPP033

Examiner: CHOE, HENRY

Group: 2817

7/ Response
G. Stark
3-4-03

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on February 27, 2003.

Signed: Leslie Russell
Leslie Russell

RESPONSE

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This communication is filed in response to the Office Action dated December 20, 2002.

REMARKS

Claims 1-47 are currently pending in the application. Claims 1-47 were rejected.

The Examiner rejected claims 1-47 under 35 U.S.C. § 112, first paragraph, as containing subject matter not described in the present specification. The rejection is respectfully traversed.

The nature of a "frequency selective network," "first filtering circuitry," and "second filtering circuitry" in the context of a band pass amplifier as recited in claims 1, 19 and 37 would be well understood by one of ordinary skill in the art, particularly with reference to the present specification as set forth below.

Regarding the "frequency selective network," at page 11, line 8 - page 12, line 27 referring to Fig. 6, the present specification describes an exemplary frequency selective network 50 used for a specific embodiment of the invention in detail. For example, this portion of the specification states that the frequency selective network 50 enables the RF input signal at the node 601 to pass through (i) a first signal path 691 including receive band resonators 611-613

and a transmit band resonator 615; and (ii) a second signal path 692 including receive band resonators 611 and 612 and a transmit band resonator 616. The specification further describes that the transmit band resonators 615 and 616 are operable to resonate at the transmit band, and the receive band resonators 611-613 are operable to resonate at the receive band. Thus, it is respectfully submitted that the description referring to the frequency selective network 50 appeared in the above-identified portion is sufficient for supporting the claimed element, "frequency selective network."

In addition, page 13, line 1 - page 14, line 32 referring to Fig. 7 describes an alternative embodiment of the frequency selective network 50. Figs. 8 and 9 and their corresponding description describe an exemplary implementation of some elements used for the embodiments of the frequency selective network 50. Page 17, line 1 - page 19, line 30 referring to Fig. 12 describes still another embodiment of the frequency selective network 50. Therefore, with reference to at least the above-identified portions of the specification, those skilled in the art would understand what is meant by the claim language "a frequency selective network."

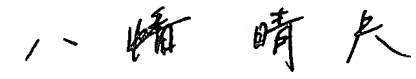
Regarding the "first filtering circuitry," and "second filtering circuitry," in referring to exemplary filtering circuitry, page 20, lines 17-26 of the specification specifically states that "[t]he first filtering circuitry may be a single transmit band resonator, or a plurality of transmit band resonators," and that "the second filtering circuitry may be a single receive band resonator, or a plurality of receive band resonators." Also, at page 10, lines 3-7, the specification states that "[t]he amplifier 500 is a specific implementation of the amplifier 34 of Fig. 2 in which a TX filtering section 502 comprises a resonator (e.g., 502-1) tuned to the center of the TX band (e.g., 824-849 MHz for IS-95 applications) and an RX filtering section 504 comprises two resonators (e.g., 504-1 and 504-2) tuned to the center of the RX band (e.g., 869-894 MHz for IS-95 applications)." These portions specifically describing the structure of exemplary implementations of the filtering circuitry would have made it clear to anyone having any level of skill in the art what is meant by the claim elements in question.

Further, other portions of the specification describing the transmit band resonators and the receive band resonators provide additional support for the claimed elements, i.e., the "first filtering circuitry," and "second filtering circuitry." See, for example, page 11, lines 8-15 referring to Fig. 6; and page 13, lines 6-22 referring to Fig. 7.

In view of the foregoing, the rejections of claims 1-47 under 35 U.S.C. § 112, first paragraph, are believed overcome.

Applicants believe that all pending claims are in condition for allowance, and respectfully request a Notice of Allowance at an early date. If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 510-843-6200.

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP



Haruo Yawata
Limited Recognition under 37 CFR § 10.9(b)

P.O. Box 778
Berkeley, CA 94704-0778
Tel: 510-843-6200